




The Ohio State University's Knowledge Bank: An Institutional Repository in Practice

Maureen P. Walsh, The Ohio State University Libraries


CO-ASIS&T Program

December 4, 2007

The Ohio State University's Institutional Repository



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The Knowledge Bank at OSU

Welcome to the Knowledge Bank

The Knowledge Bank is a joint initiative of the [University Libraries](#) and the [Office of the CIO](#). The Knowledge Bank uses DSpace software, developed jointly by [MIT Libraries](#) and [Hewlett-Packard](#)

Communities in Knowledge Bank

Choose a community to browse its collections.

[Accounting Hall of Fame](#)

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Mission

“The mission of the institutional repository of The Ohio State University Knowledge Bank, is to collect, preserve, and share the intellectual output of the faculty, staff, and students that is in a digital format.”

Source: <http://library.osu.edu/sites/kbinfo/policies.html> Retrieved 09-10-2007

40 Communities

Knowledge Bank Communities



OHIO STATE UNIVERSITY

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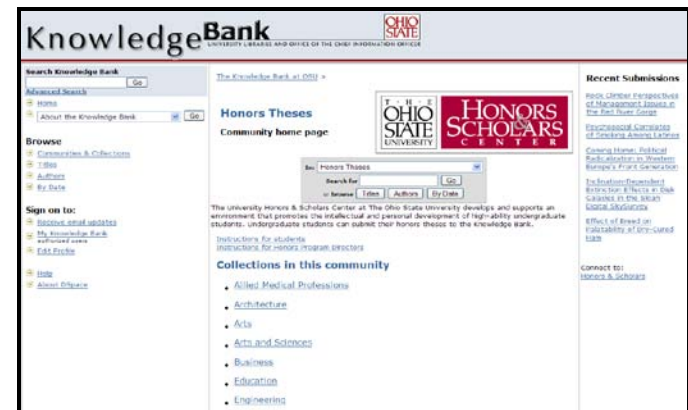
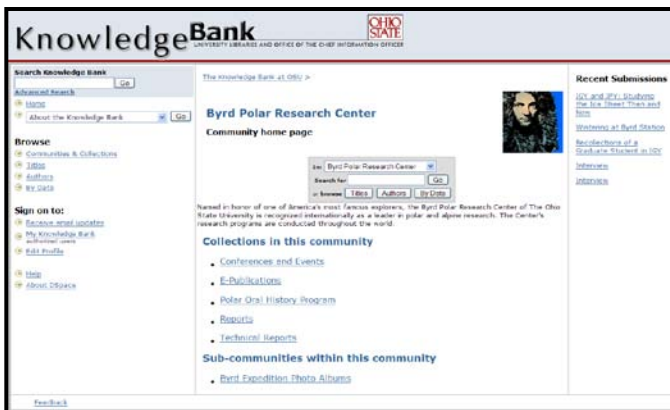
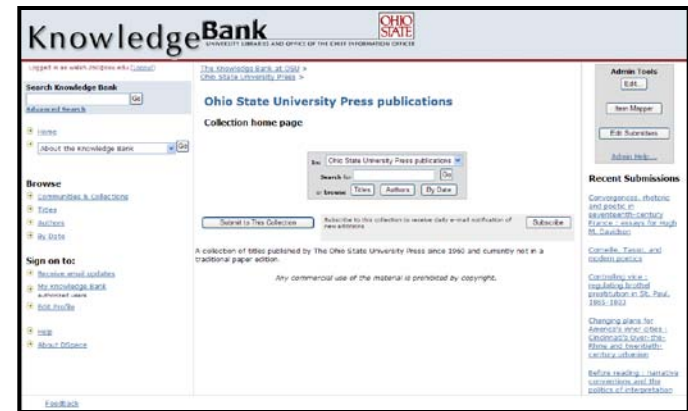
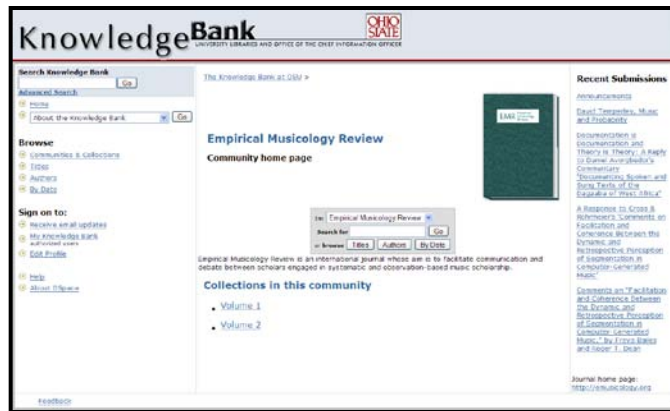
[The Knowledge Bank at OSU >](#)

Communities and Collections

Shown below is a list of communities and the collections and sub-communities within them. Click on a name to view that community or collection home page.

- [Accounting Hall of Fame](#)**
 - [Accounting Hall of Fame Members](#)
 - [Institute on Accounting](#)**
 - [Conference Proceedings](#)
- [American Indian Studies at the Ohio State University](#)**
 - [Lectures and Events](#)
 - [Reports, Papers and Conference Proceedings](#)
- [Art and Science](#)**
 - [Learning objects that teach science using art](#)
- [Austin E. Knowlton School of Architecture](#)**
 - [John H. Herrick Archives](#)
 - [City and Regional Planning](#)**
 - [Yellow Springs Urban Design Studio \(CRP 724\)](#)
- [Byrd Polar Research Center](#)**
 - [Conferences and Events](#)

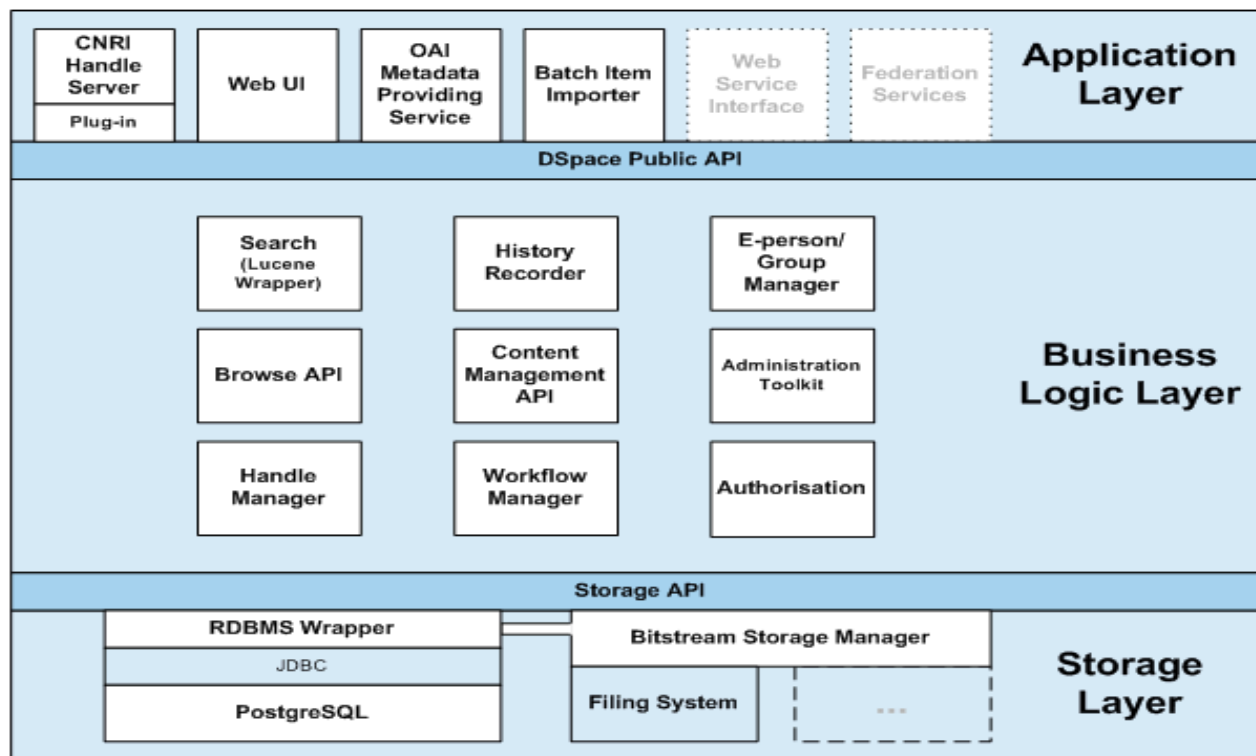
Services Institutionally Defined



Software

DSpace Captures, Indexes, Preserves, and Distributes

Architecture Diagram



Source: <http://libraries.mit.edu/dspace-mit/technology/architecture-diagram.html> Retrieved 09-10-2007

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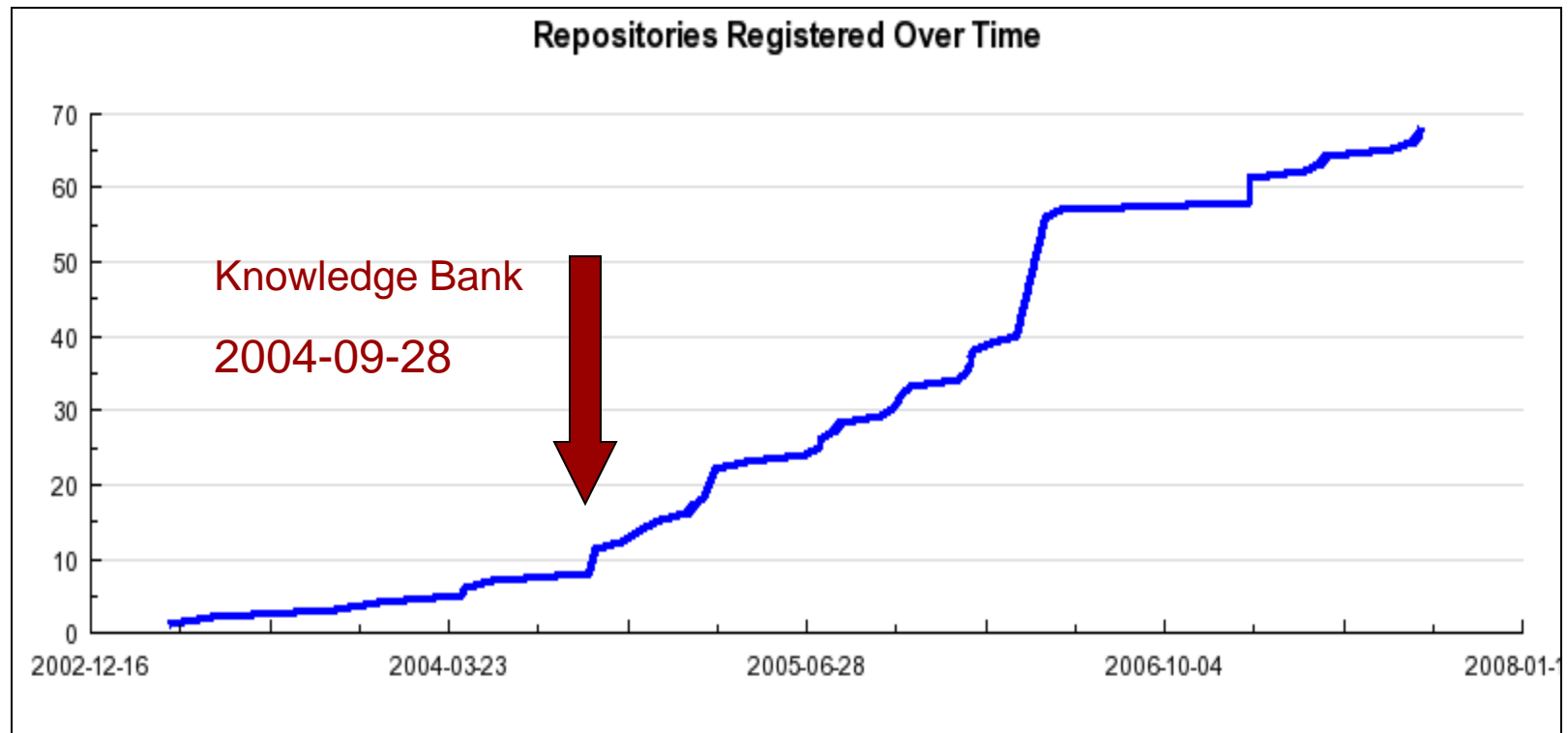
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DSpace

- 293 Installations
- 48 Countries
- 1,526,934 Documents

As of 2007-11-23. Source: <http://wiki.dspace.org/index.php/DspaceInstances> Retrieved 12-03-2007

DSpace Repositories in US



Source: ROAR (Registry of Open Access Repositories) <http://roar.eprints.org> Retrieved 09-10-2007

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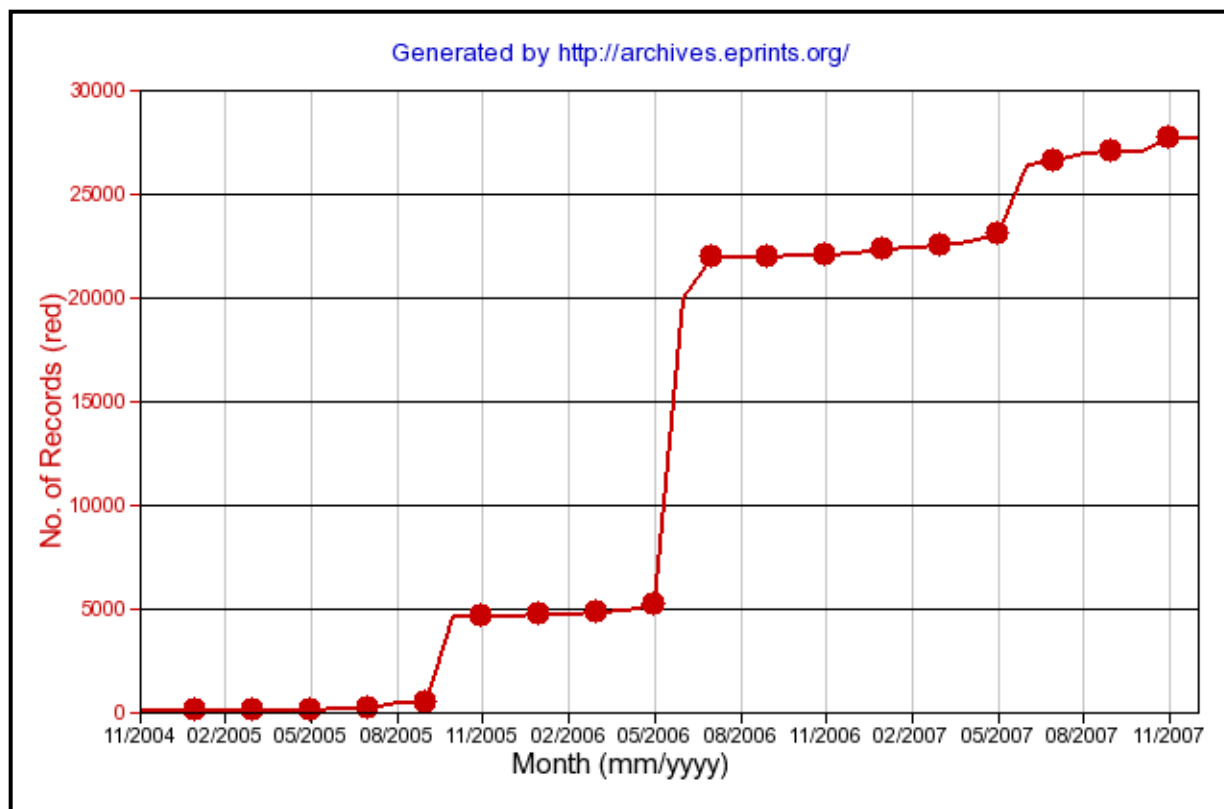
28,066 records

KB Repository Ranking by Deposits

- **2nd of 66 DSpace Repositories in the U.S.**
- 8th of 260 DSpace Repositories
- 8th of 219 U.S. Repositories on any System Software
- 38th of 960 Repositories on any System Software
 - University of Michigan: Deep Blue (41,214 records)
 - **Ohio State University: Knowledge Bank (27,692 records)**
 - DSpace at MIT (26,342 records)
 - Georgia Tech's IR: SMARTech (20,407 records)
 - eCommons@Cornell (8060 records)

Source: ROAR (Registry of Open Access Repositories) <http://roar.eprints.org> Retrieved 12-03-2007

Knowledge Bank Deposits

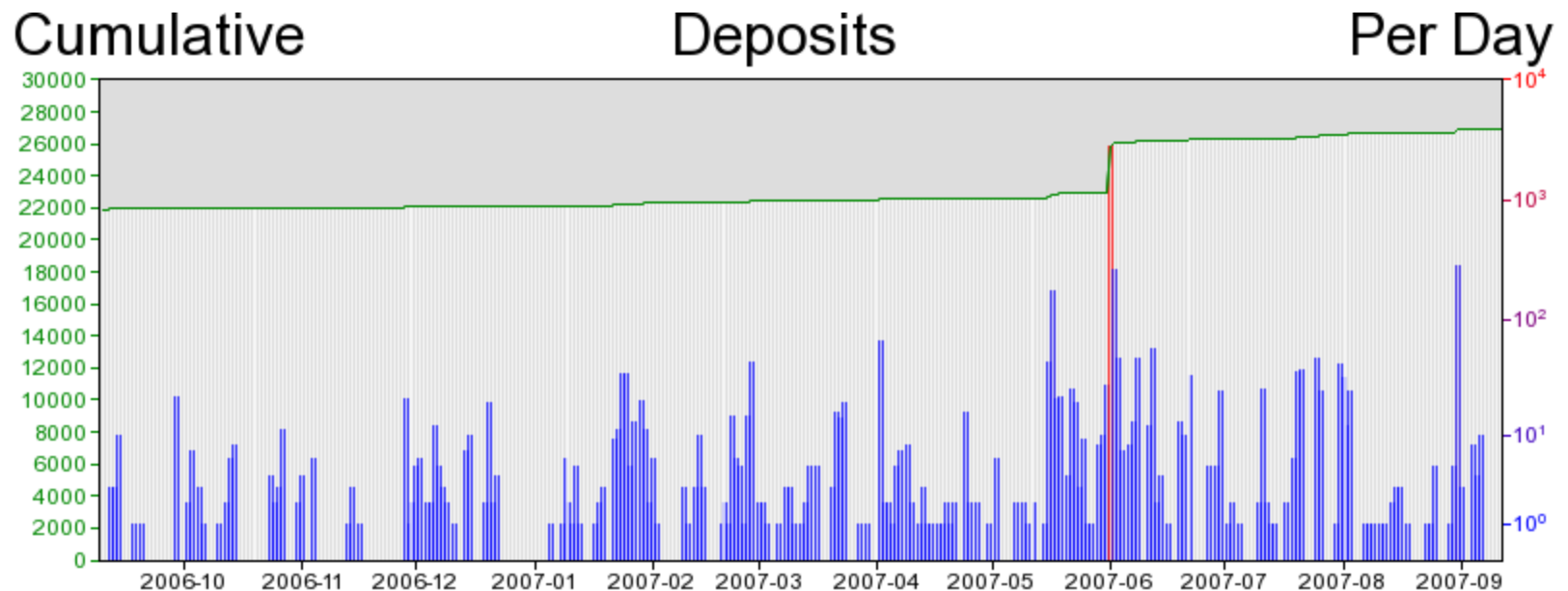


Source: ROAR (Registry of Open Access Repositories) <http://roar.eprints.org> Retrieved 12-03-2007

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KB Daily Deposits in Last Year



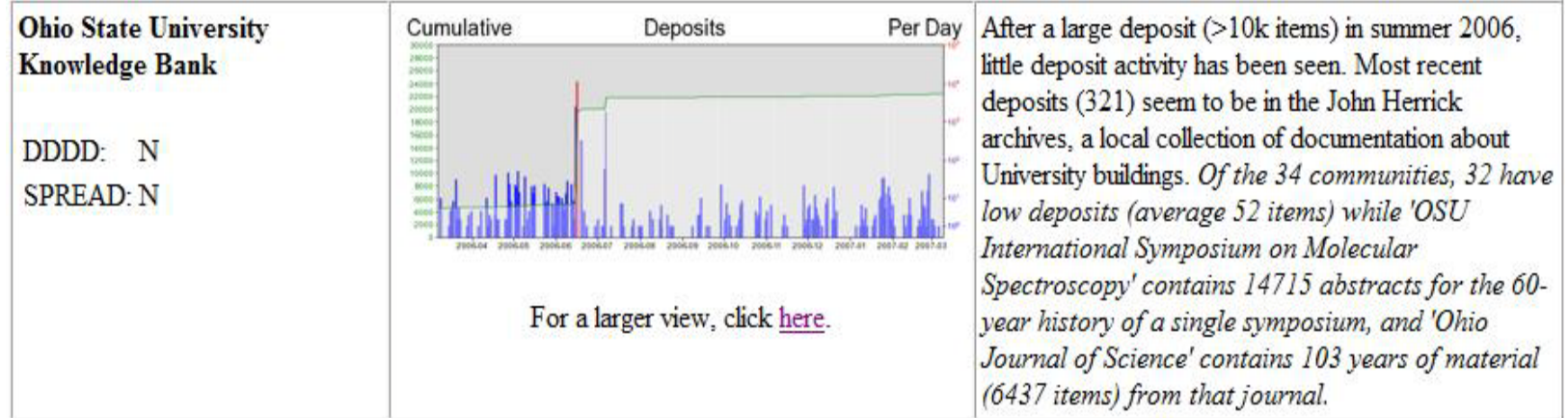
150 days of 1-9, 50 days of 10-99, 5 days of 100+

Source: ROAR (Registry of Open Access Repositories) <http://roar.eprints.org>
Daily deposits in last year totals retrieved 12-03-2007. Graph retrieved 09-10-2007

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Size Isn't Everything



DDDD: double-digit daily deposits

SPREAD: topical spread criteria

Source: Carr, L. & Brody, T. (2007). "Size isn't everything: sustainable repositories as evidenced by sustainable deposit profiles." D-Lib Magazine 13:7/8 (July/Aug.) <http://www.dlib.org/dlib/july07/carr/07carr.html> Retrieved 09-10-2007

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CO-ASIS&T Program

Policies

Knowledge Bank Policies

- KB Community & Collection Policies
- KB File Format Support

KB Community & Collection Policies

A Knowledge Bank Community has the right to:

- decide policy regarding content to be submitted
- decide who may submit content
- limit access to content
- customize interfaces to community content

KB Community & Collection Policies

The Knowledge Bank agrees to:

- retain, maintain, and distribute content according to community decisions
- preserve content using accepted preservation techniques
- comply with University policy on issues which affect the KB

KB Community & Collection Policies

The Knowledge Bank retains the right to:

- redistribute or amend metadata for items in the KB
- remove from view items or collections according to KB Withdrawal Policy
- migrate items if format is in danger of obsolescence

Knowledge Bank File Format Support

- We will preserve all bitstreams as-is and allow them to be retrieved
- We will recognize as many file formats as possible
- We will support as many known file formats as possible

Levels of Digital Preservation

- **Bit preservation:** ensures that a file remains exactly the same over time
- **Functional preservation:** the file *does* change over time so that the material continues to be immediately usable in the same way it was originally

Levels of Format Preservation

- **Supported** formats will be functionally preserved using either format migration or emulation techniques
- **Known** formats are those that we can't promise to preserve, such as proprietary or binary formats, but for which migration tools will likely emerge
- **Unsupported** formats are those that we don't know enough about to do any sort of functional preservation

Format Preservation



- For all three levels (supported, known, unsupported) DSpace does bit-level preservation
- The Knowledge Bank attempts to keep the percentage of supported format material as high as possible
- The Knowledge Bank continually monitors formats and techniques to ensure we can accommodate needs as they arise

KB Bitstream Format Registry

MIME Type	Description	Extension	Level
application/marc	MARC	marc, mrc	supported
application/mathematica	Mathematica	ma	known
application/msword	Microsoft Word	doc	known
application/octet-stream	Unknown	(anything not listed)	unsupported
application/ogg	Ogg Media Type	ogg, OggS	known
application/pdf	Adobe PDF	pdf	supported
application/postscript	Postscript	ps, eps, ai	supported
application/sgml	SGML	sgm, sgml	known
application/vnd.ms-excel	Microsoft Excel	xls	known
application/vnd.ms-powerpoint	Microsoft Powerpoint	ppt	known
application/vnd.ms-project	Microsoft Project	mpp, mpx, mpd	known
application/vnd.visio	Microsoft Visio	vsd	known
application/wordperfect5.1	WordPerfect	wpd	known
application/x-dvi	TeXdvi	dvi	known
application/x-filemaker	FMP3	fm	known
application/x-latex	LateX	latex	known
application/x-photoshop	Photoshop	psd, pdd	known
application/x-tex	TeX	tex	known

MIME Type	Description	Extension	Level
audio/x-aiff	AIFF	aiff, aif, aifc	supported
audio/basic	audio/basic	au, snd	known
audio/x-mpeg	MPEG Audio	mpa, abs, mpeg	known
audio/x-pn-realaudio	RealAudio	ra, ram	known
audio/x-wav	WAV	wav	known
image/gif	GIF	gif	supported
image/jpeg	JPEG	jpeg, jpg	supported
image/png	PNG	png	supported
image/tiff	TIFF	tiff, tif	supported
image/x-ms-bmp	BMP	bmp	known
image/x-photo-cd	Photo CD	pcd	known
text/html	HTML	html, htm	supported
text/plain	Text	txt	supported
text/richtext	Rich Text Format	rtf	supported
text/xml	XML	xml	supported
video/mpeg	MPEG	mpeg, mpg, mpe	known
video/quicktime	Video Quicktime	mov, qt	known

Preservation Support Level Advice at Ingest

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Describe Describe Describe Upload Verify License License Complete

Submit: Uploaded Files

The table below shows the files you have uploaded for this item.

[More Help...](#)

Primary bitstream	File	Size	Description	File Format	
<input type="radio"/>	OHIODIG Presentation.pdf	7751 bytes	None Change	Adobe PDF (supported) Change	Remove
<input type="radio"/>	OHIODIG Presentation.ppt	387072 bytes	None Change	Microsoft Powerpoint (known) Change	Remove
<input type="radio"/>	OHIODIG Presentation.xps	55603 bytes	None Change	XPS (unsupported) Change	Remove

You can verify that the file(s) have been uploaded correctly by:

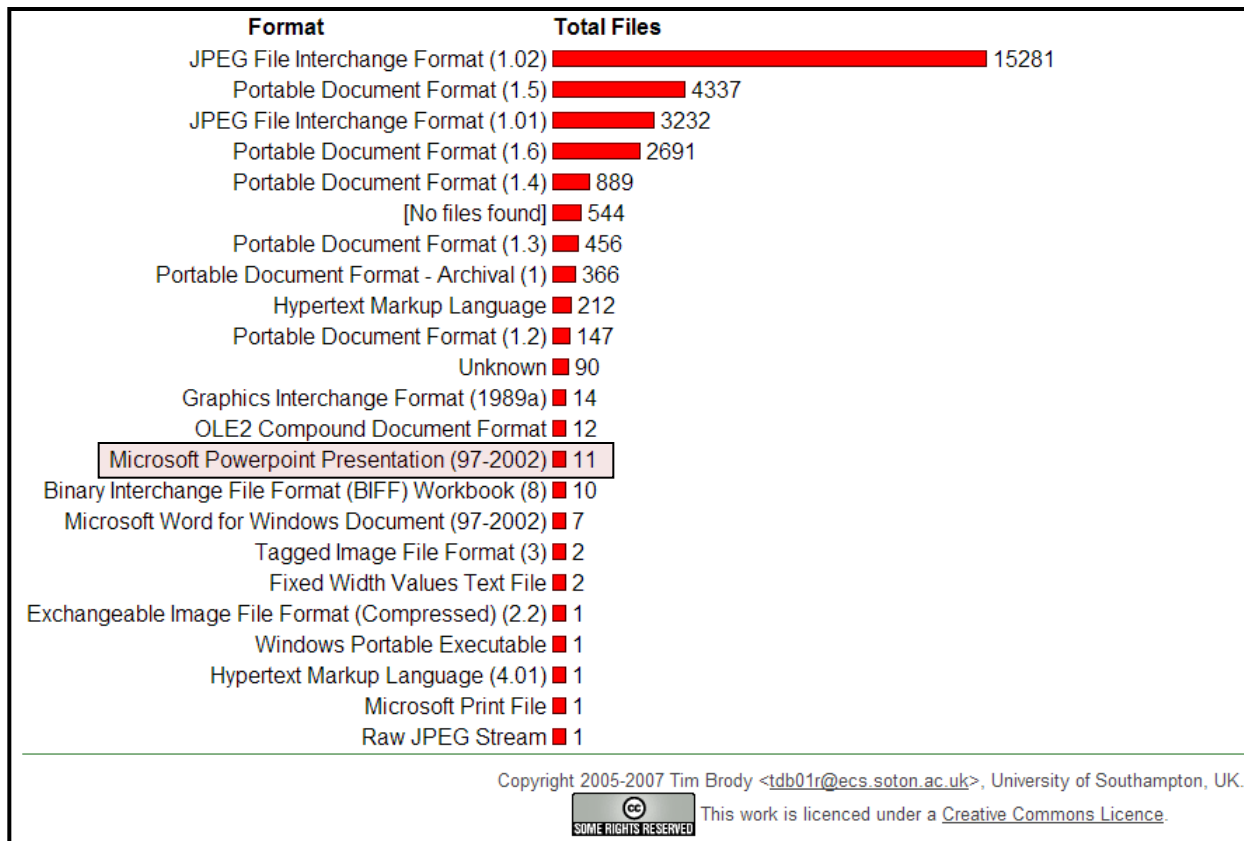
- Clicking on the filenames above. This will download the file in a new browser window, so that you can check the contents.
- The system can calculate a checksum you can verify. [Click here for more information.](#) [Show checksums](#)

[Add Another File](#)

[< Previous](#)
[Next >](#)
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[Feedback](#)

File Format Profile for Stored Objects*



*Excludes files not hosted on the same server as the OAI interface and files over 2 megabytes in size.

Source: ROAR (Registry of Open Access Repositories) <http://roar.eprints.org> Retrieved 12-03-2007

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Non-Supported Files in the KB – MS PPT

Microsoft Powerpoint Presentation (97-2002) format.

Record Identifier	URL	Date
oai:kb.osu.edu:1811/150	/dspace/bitstream/1811/150/2/Tull_wilsworld.ppt	2006-05-14 16:53:16
oai:kb.osu.edu:1811/183	/dspace/bitstream/1811/183/1/Potterylecture.ppt	2006-05-14 16:53:17
oai:kb.osu.edu:1811/202	.../bitstream/1811/202/1/Learning+Group+report.ppt	2006-05-14 16:53:17
oai:kb.osu.edu:1811/270	/dspace/bitstream/1811/270/5/ALAO_workshop.ppt	2006-05-14 16:53:22
	/dspace/bitstream/1811/270/2/LO_activity.pdf	2006-05-14 16:53:22
	Portable Document Format (1.4)	
	/dspace/bitstream/1811/270/3/LO_resources.pdf	2006-05-14 16:53:22
	Portable Document Format (1.4)	
	/dspace/bitstream/1811/270/4/LO_EvalTool.pdf	2006-05-14 16:53:22
	Portable Document Format (1.4)	
oai:kb.osu.edu:1811/682	/dspace/bitstream/1811/682/1/ALAO-TSIG20050304.ppt	2006-05-14 16:53:42
oai:kb.osu.edu:1811/683	/dspace/bitstream/1811/683/1/ALAO+Presentation.ppt	2006-05-14 16:53:42
oai:kb.osu.edu:1811/6024	...ace/bitstream/1811/6024/4/LewisOSU-20060316.ppt	2006-05-14 16:57:43
	/dspace/bitstream/1811/6024/5/Lewis-kbdirect.html	2006-05-14 16:57:43
	Hypertext Markup Language	
oai:kb.osu.edu:1811/24	/dspace/bitstream/1811/24/1/izzo_UD.ppt	2006-05-16 17:00:05
oai:kb.osu.edu:1811/24793	...tream/1811/24793/1/CIL07_black_kilzer_final.ppt	2007-04-17 17:59:51
oai:kb.osu.edu:1811/24817	...ream/1811/24817/2/Creating+Online+Tutorials.pdf	2007-04-25 06:07:17
	Portable Document Format (1.5)	
oai:kb.osu.edu:1811/24818	...tream/1811/24818/2/Developing+Online+Course.pdf	2007-04-25 06:09:37
	Portable Document Format (1.5)	2007-04-25 06:09:37


Source: ROAR (Registry of Open Access Repositories) <http://roar.eprints.org> Retrieved 09-10-2007

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Checksum Display

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Describe Describe Describe Upload Verify License License Complete

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Primary bitstream	File	Size	Description	File Format	Checksum	
<input type="radio"/>	OHIODIG Presentation.pdf	7751 bytes	None Change	Adobe PDF (supported) Change	11a0fca42a8023f66f7bfafa4975d5d9 (MD5)	Remove
<input type="radio"/>	OHIODIG Presentation.ppt	387072 bytes	None Change	Microsoft Powerpoint (known) Change	4378754a998be64b06b322e42438e23c (MD5)	Remove
<input type="radio"/>	OHIODIG Presentation.xps	55603 bytes	None Change	XPS (unsupported) Change	5865a8582f34ef77fff339e1516ab2ac (MD5)	Remove

You can verify that the file(s) have been uploaded correctly by:

- Clicking on the filenames above. This will download the file in a new browser window, so that you can check the contents.
- Comparing checksums displayed above with checksums worked out on your local computer. They should be exactly the same. [Click here to find out how to do this.](#)

[Add Another File](#)

[< Previous](#)
[Next >](#)
[Cancel/Save](#)

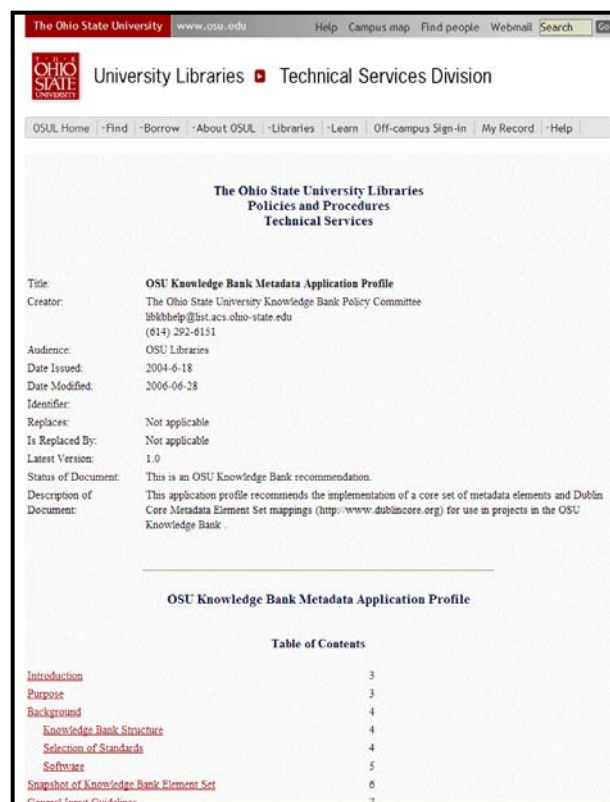
Preservation Metadata

Element	Qualifier	Value	Language	
date	accessioned	2007-09-11T04:31:50Z	<input type="text"/>	Remove
date	available	2007-09-11T04:31:50Z	<input type="text"/>	Remove
description	provenance	Submitted by Maureen Walsh (walsh.260@osu.edu) on 2007-09-11T04:31:49Z No. of bitstreams: 1	en	Remove
description	provenance	OHIDIG20070914.pdf: 575696 bytes, checksum: 04c2b2f1a2a75d161403d167f5f1fbb8 (MD5) Previous issue date: 2007-09-14	en	Remove
format	extent	575696 bytes	<input type="text"/>	Remove
format	mimetype	application/pdf	<input type="text"/>	Remove

Primary Bitstream	Name	Source	Description	Format	User Format Description	
	OHIDIG20070914.pdf.txt	Written by MediaFilter.org	Extracted text	5 (Text)	<input type="text"/>	View Remove
	license.txt	Written by org.dspace.cor		2 (License)	<input type="text"/>	View Remove
<input type="radio"/>	OHIDIG20070914.pdf	OHIDIG20070914.pdf		3 (Adobe PDF)	<input type="text"/>	View Remove

Metadata

KB Metadata Application Profile



- Core set of metadata elements and Dublin Core Metadata Element Set mappings to
 - improve retrieval accuracy and resource discovery
 - facilitate multi-institutional interoperability and quality control
 - comply with the Open Archives Initiative Protocol for Metadata Harvesting
 - enable collection migration, import & export between the Knowledge Bank and other systems as necessary

<http://library.osu.edu/sites/techservices/KBAppProfile.php>

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Knowledge Bank Metadata Registry

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The Knowledge Bank at OSU >
Administer >

Metadata Field Registry

Note: Adding a new field to the registry does not add a corresponding input field to the submit format.

Schemas | Help...

ID	Element / Qualifier / Scope Note	Update	Delete
2	contributor advisor	Update	Delete
3	contributor author	Update	Delete
4	contributor editor	Update	Delete
5	contributor illustrator	Update	Delete
6	contributor other	Update	Delete
1	contributor A person, organization, or medium responsible for the content of the resource. CATCH-ALL FOR UNPREDEFINED CONTRIBUTORS.	Update	Delete
7	coverage spatial	Update	Delete
8	coverage temporal	Update	Delete
11	date accessioned	Update	Delete
12	date available	Update	Delete
13	date copyright	Update	Delete
14	date created	Update	Delete
15	date issued	Update	Delete

16	date submitted	Recommend for thesis/dissertation.	Update	Delete
10	date	The qualified form if possible.	Update	Delete
27	descriptor abstract	Abstract or summary.	Update	Delete
07	descriptor embargo	statement detailing the length of time an item was delayed from dissemination in the Knowledge Bank. 9 Apr 2006 - 3/20	Update	Delete
28	descriptor provenance	The history of custody of the item since its creation, including any changes PERSISTENT IDENTIFIERS MADE TO it.	Update	Delete
29	descriptor sponsorship	Information about sponsoring agencies, individuals, or contractual arrangements for the item.	Update	Delete
30	descriptor statementsref	To preserve examples of responsibility from NAC records.	Update	Delete
21	descriptor tableofcontents	A table of contents for a given item.	Update	Delete
32	descriptor ur	Uniform Resource Identifier pointing to description of this item.	Update	Delete
26	descriptor	Catch-all for any descriptors not defined by qualifiers.	Update	Delete
34	format effort	Effort or duration.	Update	Delete
35	format medium	Physical medium.	Update	Delete
36	format prototype	Registered RITE type identifier.	Update	Delete
33	format	Catch-all for any format information not defined by qualifiers.	Update	Delete
18	identifier citation	Formal, readable, standard bibliographic citation of non-OSU format of this item.	Update	Delete
19	identifier guidetoc	A government document number.	Update	Delete
20	identifier isbn	International Standard Book Number.	Update	Delete
23	identifier issn	International Standard Serial Number.	Update	Delete

Community Metadata Application Profile

KB Mershon Center for International Security Studies CORE ELEMENT SET		
ELEMENT NAME	DEFINITION	EXAMPLES
Creator(s)	Author(s), speaker(s), presenter(s)	Schwedler, Jillian Mershon Center for International Security Studies Greenbaum, Robert ; Hultquist, Andy
Contributor(s)	Secondary responsibility	Becker, Cathy
Title	Title of work	Mershon Memo, Vol. 1, No. 2 (Winter 2007) Mershon Memo: e-Newsletter (Jan. 22, 2007) Mershon Center seeks applicants for new Mason Chair The Global Impact of 1956: Race, Neutralism, and National Liberation
Other Title(s)	Alternate title(s) of work	Mershon Memo: A newsletter of the Mershon Center for International Security Studies Mershon Memo: An e-Newsletter of the Mershon Center for International Security Studies Press Release 9.18.06
Date of Issue	Date of work	2007 October 14, 2006
Publisher	Publisher/producer	Mershon Center for International Security Studies
Citation	Citation of work	Mershon Memo, vol. 1, no. 2 (Winter 2007) Mershon Memo: e-Newsletter, (Jan. 22, 2007)
Series/Report No.	Series. Number	Project for Afghan Women's Leadership (PAWL) Mershon Center for International Security Studies. Conferences Mershon Center for International Security Studies. Citizenship Lecture Series Mershon Center series on international security and foreign policy
Identifiers	Identification numbers or codes (ISBN, Other, etc.)	
Type	Type of content	Presentation
Type [if additional]	Type of content	Video*
Language	Language(s) on the work	English (en_US)
Subject Keywords	Topic of the work	comparative politics ; American politics ; comparative and historical sociology ; public policy
Abstract	Short summary of the work	Mershon Memo is a weekly e-mail newsletter created by the Mershon Center for International Security Studies.
Contents	Contents of the work	
Sponsors	Sponsor of the work/presentation/seminar	Mershon Center for International Security Studies
Description	Additional description of the work	The Ohio State University Mershon Center for International Security Studies
Contents*	Format: "[section]" (00:00:00 - 00:05:12) -- "[next section]" ([start time] - [end time]) -- "[next section]" ([start time] - [end time])	Introduction (00:00:00-00:11:43) -- Theda Skocpol (00:11:43.1-00:40:24.0) -- Discussants John Doe, Jane Smith, and Jane Doe (00:40:24.1-01:28:41.0)
Description*	Notice about access to video (software required)	Requires RealPlayer to view.
format.extent*#	Duration of video (in hh:mm:ss format)	Duration: 01:28:41.0
Rights*#	Notice of copyright status	This object may be copyright-protected. Permission to reuse, publish or reproduce the object must be obtained from the copyright holder.


*Video fields to be added if applicable.
#After submission complete, the duration element (format.extent) and the rights element need to be added using the "Edit" button from the KB record for each video

J:\Knowledge Bank\Meta data\Documentation\MAPs\Mershon MAP.doc
Last updated: 30 October 2007 - mpw

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 Edward F. Hayes Graduate Research Forum >
 21st Hayes Graduate Research Forum (April, 2007) >

Please use this identifier to cite or link to this item: <http://hdl.handle.net/1811/29302>

Title: Interactions of unsaturated fat or coconut oil with Rumensin® on milk fat production might be mediated through inhibition of specific protozoal genera

Creators: Reveneau, Carine

Advisor: Firkins, Jeffrey L.

Issue Date: Apr-2007

Abstract: Polyunsaturated fatty acids (PUFA) feeding often decreases protozoal numbers in the rumen. Animal-vegetable fat (AV), a by-product of the food industry, is readily available to provide PUFA in dairy diets. However, the response to AV supplementation on protozoal numbers is not consistent, possibly due to biohydrogenation (BH) of PUFA in the rumen. Long chain saturated FA are less toxic to protozoa; therefore, the BH of PUFA removes their potential inhibitory effects. In contrast, evidence from OSU supports the contention that protozoa are a vehicle for passage of PUFA or other intermediates of BH that do not promote MFD. AV supplementation in combination with Rumensin® (R), an ionophore improving feed efficiency, occasionally spontaneously decreases milk fat yield and percentage. This milk fat depression (MFD) is likely due to the partial BH of PUFA, which favors FA intermediates that are inhibitory to milk fat synthesis. Feeding coconut oil (CO) rich in medium chain fatty acids (MCFA), and therefore low in PUFA, has decreased the abundance of ruminal protozoa in sheep. We hypothesized that, while lowering protozoal populations, diets supplemented with CO in combination with R would not cause MFD as would AV diets combined with R. PUFA or MCFA in combination with R could shift ruminal fermentation and potentially depress fiber degradation, reducing feed intake.

Requested Embargo?: No embargo

Series/Report No: 2007 Edward F. Hayes Graduate Research Forum. 21st

Keywords: protozoal inhibition
coconut oil

Description: Poster; 2nd Place (The Ohio State University Edward F. Hayes Graduate Research Forum)


URI: <http://hdl.handle.net/1811/29302>

Appears in Collections: 21st Hayes Graduate Research Forum (April, 2007)

Files in This Item:

File	Description	Size	Format
Hayes_Research_Paper_Carine_Reveneau.pdf		685.28 kB	Adobe PDF View/Open

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21st Hayes Graduate Research Forum (April, 2007) >

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Full metadata record

DC Field	Value	Language
dc.contributor.advisor	Firkins, Jeffrey L.	-
dc.creator	Reveneau, Carine	-
dc.date.accessioned	2007-10-18T15:27:46Z	-
dc.date.available	2007-10-18T15:27:46Z	-
dc.date.issued	2007-04	-
dc.identifier.uri	http://hdl.handle.net/1811/29302	-
dc.description	Poster: 2nd Place (The Ohio State University Edward F. Hayes Graduate Research Forum)	en
dc.description.abstract	Polyunsaturated fatty acids (PUFA) feeding often decreases protozoal numbers in the rumen. Animal-vegetable fat (AV), a by-product of the food industry, is readily available to provide PUFA in dairy diets. However, the response to AV supplementation on protozoal numbers is not consistent, possibly due to biohydrogenation (BH) of PUFA in the rumen. Long chain saturated FA are less toxic to protozoa; therefore, the BH of PUFA removes their potential inhibitory effects. In contrast, evidence from OSU supports the contention that protozoa are a vehicle for passage of PUFA or other intermediates of BH that do not promote MFD. AV supplementation in combination with Rumensin® (R), an ionophore improving feed efficiency, occasionally spontaneously decreases milk fat yield and percentage. This milk fat depression (MFD) is likely due to the partial BH of PUFA, which favors FA intermediates that are inhibitory to milk fat synthesis. Feeding coconut oil (CO) rich in medium chain fatty acids (MCFA), and therefore low in PUFA, has decreased the abundance of ruminal protozoa in sheep. We hypothesized that, while lowering protozoal populations, diets supplemented with CO in combination with R would not cause MFD as would AV diets combined with R. PUFA or MCFA in combination with R could shift ruminal fermentation and potentially depress fiber degradation, reducing feed intake.	en
dc.format.extent	701727 bytes	-
dc.format.mimetype	application/pdf	-
dc.language.iso	en_US	en
dc.relation.ispartofseries	2007 Edward F. Hayes Graduate Research Forum. 21st	en
dc.subject	protozoal inhibition	en
dc.subject	coconut oil	en
dc.title	Interactions of unsaturated fat or coconut oil with Rumensin® on milk fat production might be mediated through inhibition of specific protozoal genera	en
dc.type	Presentation	en
dc.description.embargo	No embargo	en

Appears in Collections: [21st Hayes Graduate Research Forum \(April, 2007\)](#)

Files in this item:

File	Description	Size	Format
Hayes_Research_Paper_Carine_Reveneau.pdf		685.28 kb	Adobe PDF View/Open

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KB Item Metadata

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Item internal ID: 29436
Handle: 1811/29302
Last modified: 19-Oct-2007 02:03:50
In Collections: 21st Hayes Graduate Research Forum (April, 2007)
Item page: <https://dspace01.1.ohio-state.edu/dspace/handle/1811/29302>
Item's Authorizations: [Edit](#)

Schema Element Qualifier Value Language

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dc	creator		Benness, Carline		Remove
dc	date	accessioned	2007-10-18T13:12:14Z		Remove
dc	date	available	2007-10-18T13:12:14Z		Remove
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dc	description	provenance	Submitted by Carline Benness (benness@osu.edu) on 2007-10-18T13:12:14Z No. of Bitstreams: 1 Hayes Research Paper - Carline Benness.pdf: 70172*	en	Remove
dc	description	provenance	Approved for entry into archive by Maurice Malinvalds.jed@osu.edu on 2007-10-18T13:12:14Z (OSU) No. of Bitstreams: 1 Hayes Research Paper - Carline Benness.pdf: 70172*	en	Remove
dc	description	provenance	made available in OSU on 2007-10-18T13:12:14Z (OSU) No. of Bitstreams: 1 Hayes Research Paper - Carline Benness.pdf: 70172* bytes, checksum: d0a918744e07b782bde199207be9	en	Remove

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dc	subject		COUSIN 011	en	Remove
dc	title		Interactions of unsaturated fat or coconut oil with rumen flora on milk fat production might be mediated through inhibition of specific prostaglandin	en	Remove
dc	type		Poster/abstract	en	Remove
dc	description	embargo	No embargo	en	Remove

dc contributor advisor [Add](#)

Bitstreams

Note: Changes to the bitstreams will not be automatically reflected in the Dublin Core metadata above (e.g. format, extent, format, mime-type). You will need to update this by hand.

Also note that if the "user format description" field isn't empty, the format will always be set to "unknown", so clear the user format description before changing the format field.

Primary Bitstream	Name	Source	Description	Format	User Format Description	
<input type="radio"/>	Hayes_Research_Paper	Written by Mediafilter on	Edacacatext	5	(Text)	View Remove
<input type="radio"/>	license_01	Written by org.dspace.1		2	(License)	View Remove
<input type="radio"/>	license_02	org.dspace.license.Cri		2	(License)	View Remove
<input type="radio"/>	license_03	org.dspace.license.Cri		2	(License)	View Remove
<input type="radio"/>	license_04	org.dspace.license.Cri		2	(License)	View Remove
<input type="radio"/>	Hayes_Research_Paper	Hayes_Research_Paper		3	(Adobe PDF)	View Remove

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Feedback

KB Input Forms XML

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28 <!--15 May 2007: edited typos in geology-theses form - mpw-->
29 <!--15 May 2007: edited author, advisor, and other author hints for oardc-posters form - mpw-->
30 <!--17 May 2007: added article form and added OJS to article form - mpw-->
31 <!--31 May 2007: updated honors departments value list. - mpw-->
32 <!--6 September 2007: updated honors departments value list. -mpw-->
33 <!--6 September 2007: updated theses form. -mpw-->
34 <!--6 September 2007: corrected typo in osu-oral-histories form. mpw-->
35 <!--7 September 2007: updated polar-oh-interviewees, polar-oh-interviewers, and polar-oh-local-subjects value-pairs lists. mpw-->
36 <!--25 September 2007: added osupress form - mpw-->
37 <!--1 October 2007: added forum form - mpw-->
38 <!--1 October 2007: added value-pairs-name="forum-awards" - mpw-->
39 <!--1 October 2007: added value-pairs-name="forum-embargo-length" - mpw-->
40
41
42
43
44
45 <!--
46 | add this to DOCTYPE tag (without single quotes) ' SYSTEM "J:/XML_Projects/Test KB/Input Forms/input-forms_01_02.dtd" '
47 | -->
48 <!DOCTYPE input-forms>
49 <input-forms>
50
51 <form-map>
52 <name-map collection-handle="default" form-name="traditional"/>
53 <name-map collection-handle="1811/403" form-name="osu-oral-histories"/>
54 <name-map collection-handle="1811/6039" form-name="polar-oral-histories"/>
55 <name-map collection-handle="1811/134" form-name="theses"/>
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71 <name-map collection-handle="1811/5949" form-name="geology-theses"/>
72 <name-map collection-handle="1811/5992" form-name="oardc-posters"/>
73 <name-map collection-handle="1811/6241" form-name="faes-posters"/>
74 <name-map collection-handle="1811/5951" form-name="faes-viden"/>

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Customized Input Forms (XML)

```

1381 <hint>Please enter just the month and year of your graduating quarter below.</hint>
1382 <required>You must enter month and year.</required>
1383 </field>
1384 <field>
1385 <dc-element>publisher</dc-element>
1386 <dc-qualifier/>
1387 <repeatable>false</repeatable>
1388 <label>Publisher</label>
1389 <input-type>onebox</input-type>
1390 <hint>"The Ohio State University" should appear in this field.</hint>
1391 <required>"The Ohio State University" should appear in this field.</required>
1392 </field>
1393 <field>
1394 <dc-element>relation</dc-element>
1395 <dc-qualifier>ispartofseries</dc-qualifier>
1396 <repeatable>true</repeatable>
1397 <label>Degree-Granting Department</label>
1398 <input-type value-pairs-name="honors-departments">dropdown</input-type>
1399 <hint>Please select your degree-granting department(s) from the list below. **If your department is not listed,
1400 please select "department is not listed" and enter your department name in the next field.</hint>
1401 <required>Please select your degree-granting department(s) from the list below. **If your department is not
1402 listed, please select "department is not listed" and enter your department name in the next field.</required>
1403 </field>
1404 <field>
1405 <dc-element>relation</dc-element>
1406 <dc-qualifier/>
1407 <repeatable>true</repeatable>
1408 <label>Degree-Granting Department (Not Listed Above)</label>
1409 <input-type>onebox</input-type>
1410 <hint>If your degree-granting department is not in the list above, enter your department's name here.</hint>
1411 <required/>
1412 </field>
1413 <field>
1414 <dc-element>type</dc-element>
1415 <dc-qualifier/>
1416 <repeatable>true</repeatable>
1417 <label>Type</label>
1418 <input-type value-pairs-name="common_types">dropdown</input-type>
1419 <hint>Select the type(s) of content you are submitting. To select more than one value in the list, you may have
1420 to hold down the "CTRL" or "Shift" key.</hint>
1421 <required/>
1422 </field>
1423 <dc-element>language</dc-element>

```

Text Grid Schema/WSDL Authentic Browser

input-forms.xml

Customized Input Forms (Display)

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Submit: Describe Your Item

Enter your name below.

Last name
e.g. **Smith**

First name(s) + "Jr"
e.g. **Donald Jr**

Author

Enter the name of your thesis advisor(s) below.

Last name
e.g. **Smith**

First name(s) + "Jr"
e.g. **Donald Jr**

Advisor

Add More

Enter the title of your thesis.

Title

Please enter just the month and year of your graduating quarter below.

Quarter Completed

Month: (No Month)

Day:

Year:

"The Ohio State University" should appear in this field.

Publisher

The Ohio State University

Please select your degree-granting department(s) from the list below. **If your department is not listed, please select "department is not listed" and enter your department name in the next field.

Degree-Granting Department

My department is not listed

Accounting and MIS

Aerospace Engineering and Aviation

African American and African Studies

Agricultural, Environmental and Development Economics

Allied Medical Professions

Customized Input Forms (XML)

```

207      </required/>
208      </field>
209
210      <field>
211      <dc-schema>dc</dc-schema>
212      <dc-element>description</dc-element>
213      <dc-qualifier></dc-qualifier>
214      <repeatable>true</repeatable>
215      <label>Award Statement</label>
216      <input-type value-pairs-name="forum-awards">dropdown</input-type>
217      <hint>Please select your academic area college cluster and place from the list below.</hint>
218      <required>Please select your academic area college cluster and place from the list below.</required>
219      </field>
220
221      <field>
222      <dc-schema>dc</dc-schema>
223      <dc-element>identifier</dc-element>
224      <dc-qualifier>citation</dc-qualifier>
225      <repeatable>false</repeatable>
226      <label>Published Citation</label>
227      <input-type>onebox</input-type>
228      <hint>If your submission has already been published, please enter the citation below.</hint>
229      <required/>
230      </field>
231
232      </page>
233      <page number="3">
234      <field>
235      <dc-schema>dc</dc-schema>
236      <dc-element>description</dc-element>
237      <dc-qualifier>embargo</dc-qualifier>
238      <repeatable>true</repeatable>
239      <label>Requested Embargo?</label>
240      <input-type value-pairs-name="forum-embargo-length">dropdown</input-type>
241      <hint>If you have requested a delay of dissemination for your submission, please choose the length of the
embargo from the box below. <!--For more information, please see http://library.osu.edu/sites/kbinfo/honors\_delay.html.--></
hint>
242      <required>Please make a selection from the box below.</required>

```

```

2355      <stored-value>A five-year embargo was granted for this item.</stored-value>
2356      </pair>
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2358
2359      <value-pairs value-pairs-name="forum-awards" dc-term="description">
2360      <pair>
2361      <displayed-value>The Arts: 1st Place</displayed-value>
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stored-value>
2363      </pair>
2364      <pair>
2365      <displayed-value>The Arts: 2nd Place</displayed-value>
2366      <stored-value>The Arts: 2nd Place (The Ohio State University Edward F. Hayes Graduate Research Forum)</
stored-value>
2367      </pair>
2368      <pair>
2369      <displayed-value>The Arts: 3rd Place</displayed-value>
2370      <stored-value>The Arts: 3rd Place (The Ohio State University Edward F. Hayes Graduate Research Forum)</
stored-value>
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2372      <pair>
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Forum)</stored-value>
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Forum)</stored-value>
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2380      <pair>
2381      <displayed-value>Biological Sciences: 3rd Place</displayed-value>
2382      <stored-value>Biological Sciences: 3rd Place (The Ohio State University Edward F. Hayes Graduate Research
Forum)</stored-value>
2383      </pair>
2384      <pair>
2385      <displayed-value>Business: 1st Place</displayed-value>

```

Customized Input Forms (Display)

KnowledgeBank

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Describe

Describe

Describe

Describe

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Submit: Describe Your Item

Please fill further information about your submission below.

Enter 4-6 appropriate topic keywords or phrases that describe your submission below.

Submission topic(s) or keywords

Add More

Enter the abstract of your submission below.

Abstract

Please select your academic area college cluster and place from the list below.

Award Statement

The Arts: 1st Place

The Arts: 2nd Place

The Arts: 3rd Place

Biological Sciences: 1st Place

Biological Sciences: 2nd Place

Biological Sciences: 3rd Place

If your submission has already been published, please enter the citation below.

Customized Input Forms (XML)

```

225      <repeatable>false</repeatable>
226      <label>Published Citation</label>
227      <input-type>onebox</input-type>
228      <hint>If your submission has already been published, please enter the citation below.</hint>
229      <required>
230      </field>
231    </page>
232    <page number="3">
233      <field>
234        <dc-schema>dc</dc-schema>
235        <dc-element>description</dc-element>
236        <dc-qualifier>embargo</dc-qualifier>
237        <repeatable>true</repeatable>
238        <label>Requested Embargo?</label>
239        <input-type value-pairs-name="forum-embargo-length">dropdown</input-type>
240        <hint>If you have requested a delay of dissemination for your submission, please choose the length of the
embargo from the box below. <!--For more information, please see http://library.osu.edu/sites/kbinfo/honors_delay.html.--></
hint>
241        <required>Please make a selection from the box below.</required>
242      </field>
243    </page>
244  </form>
245
246
247
248
249  <!-- OSU PRESS PUBLICATIONS -->
250  <form name="osupress">
251    <page number="1">
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255        <dc-qualifier>
256          <repeatable>true</repeatable>
257          <label>Creator</label>
258          <input-type>name</input-type>
259          <hint>Enter the name(s) of the author(s) of this item below.</hint>

```

```

2330      <required>
2331      </field>
2332    </page>
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2334  </form-definitions>
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2336  <form-value-pairs>
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2361        <displayed-value>The Arts: 2nd Place</displayed-value>
2362        <stored-value>The Arts: 2nd Place (The Ohio State University Edward F. Hayes Graduate Research Forum)</
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December 4, 2007

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1486	<required>Please make a selection from the box below.</required>	2747	<pair>
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Please fill in the requested information about your submission below, having to use the mouse each time.

Interviewee

Boudette, Eugene L.

Brecher, Henry H.

Brewer, Max C.

Britton, Maxwell

Brown, Craig W., 1937-

Bull, Colin

Burroughs, Charles A.

Carlson, Gerald F., 1925-

Carpenter, Donald

Cartwright, Gordon

Crory, Frederick E.

Cvijanovich, George

DenHartog, Stephen L.

Dickerson, Richard G.

Dodson, Robert H. T.

Doumani, George A.

El-Sayed, Sayed Z. (Sayed Zakaria), 1926-

Feeney, Robert Earl

Fletcher, J. O. (Joseph O.), 1920-

Enter established form of interviewer name.

Interviewer

Belanger, Dian Olson, 1941-

Brewster, Karen Nichols

Goerler, Raimund E. (Raimund Erhard), 1948-

Kissel, Laura J.

Lay, Lynn B.

Shoemaker, Brian

"Interview" should appear in this field.

Title

Interview

Enter date of interview (month and year or month, day, and year).

Date of Interview

Month: (No Month)

Day:

Year:

"Polar Oral History Program" should appear in this field.

Series Statement

Polar Oral History Program

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Customized Input Forms (XML)

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1563 </page>
1564 <page number="2">
1565 <field>
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1567 <dc-qualifier>other</dc-qualifier>
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1570 <input-type value-pairs-name="polar-oh-local-subjects">dropdown</input-type>
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Choose the appropriate personal names from the list.

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 Antos, Stanislaus A. -- Interviews
 Aughenbaugh, Nolan B. -- Interviews
 Austin, Fred L. -- Interviews
 Barnes, Stephen -- Interviews

Subject (Topical Terms and Corporate Names)

Choose the appropriate corporate names and/or topical terms from the list.

Aeronautics -- Antarctica
 Aeronautics -- Antarctica -- Interviews
 Aeronautics -- Arctic regions -- Interviews
 Aeronautics -- Polar regions
 Aeronautics -- Polar regions -- Interviews
 Antarctic Ocean -- Discovery and exploration -- Interviews

Please enter any additional keywords describing the transcript below.

Additional Keywords

Customized Input Templates (Dublin Core)

Schema	Element	Qualifier	Value	Language	
dc	description		Requires RealPlayer to view.		<input type="button" value="Remove"/>
dc	format	extent	Duration:		<input type="button" value="Remove"/>
dc	publisher		Ohio State University Libraries		<input type="button" value="Remove"/>
dc	rights		This object may be copyright-protected. Permission to reuse, publish or reproduce the object must be obtained from the copyright holder.		<input type="button" value="Remove"/>
<input type="text" value="dc.contributor.advisor"/>					<input type="button" value="Add"/>

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Duration:

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dc	publisher		Ohio State University Libraries		<input type="button" value="Remove"/>
dc	subject	lcsb	Ohio State University -- Libraries -- Newsletters		<input type="button" value="Remove"/>
dc	title		QuickNotes:		<input type="button" value="Remove"/>
dc.contributor.advisor					<input type="button" value="Add"/>

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 Volume 23-24 (Jan. 1989) >

Please use this identifier to cite or link to this item: <http://hdl.handle.net/1811/28582>

Title: The Pandects of Antiochus: Slavic Text in Transcription

Creators: Popovski, Josif

Keywords: Pandects; Antiochus, monk of Palestine, 7th cent; Moscow, RGB F.228, 205.1; Moscow GIM Voskr.30, Sin 3, Sin 177, Sin 989; Troice Sergieva Lavra F.304 12; St. Petersburg RNB Q.p.1.18; Wien ONB, Slav.12

Issue Date: Jan-1989

Publisher: Willlam R. Veder, Slavisch Seminarium, Universiteit van Amsterdam, Postbus 19188, 1000 GD Amsterdam (Holland)

Citation: Polata Knigopisnaia: an Information Bulletin Devoted to the Study of Early Slavic Books, Texts and Literatures, v23-24 (January 1989), 1-202

Abstract: Antiochus, a monk of the Lavra of St. Sabbas near Jerusalem, compiled his Pandects about the year 620 at the behest of his Galatian compatriot Eustatius, abbot of the monastery of Attalina near Ancyra, as a "vadamecum" of Christian monastic spirituality, morality and practice. It consists of: an epistle of Antiochus to Eustatius, Prologue, Index, 130 Homilies, Testimony and prayer about the devastation of Jerusalem, another epistle to Eustatius, including a curriculum vitae. His compilation is based on the texts of the Old and New Testament, the Apocrypha and the fathers of the Church available at Jerusalem at the beginning of the 7th century and forms a prime source for their knowledge. His own additions are a prime source for the devastations by the Persians (614) and the state of the Church in Jerusalem. The Slavic translation was made before 950 (according to Kopko, Dumovo and Hahn, in Macedonia), using for the biblical quotations the earliest, probably Methodian, translation of the Bible (all biblical quotations were especially marked in the margin). It was written in the oldest known form of the Glagolitic script and has survived in three independent transcriptions into Cyrillic, the first two of them almost contemporaneous original transcriptions, the third a late copy of another (in many ways more competent) transcription. This edition of the text is based upon the manuscript V (Cod. Moskva, GIM, Voskr. 30, 11th century [before 1050?]), complemented by the manuscript P (Cod. Moskva, GBL, F.228 [Piskarev] 205.1, 11th century). The detailed investigation of the transmission led to the identification of 5 manuscripts directly related to V (it was the antigraph of the first, and the protograph of the others), which could safely be used to fill other gaps in the text of V.

URI: <http://hdl.handle.net/1811/28582>

ISSN: 0165-1862

Appears in Collections: [Volume 23-24 \(Jan. 1989\)](#)



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Title: Rock Climber Perspectives of Management Issues in the Red River Gorge

Creators: Reighart, Stephanie

Advisor: Joseph, Heimlich

Issue Date: Dec-2007

Abstract: Rock climbing has been a popular recreational activity in the Red River Gorge for many decades. With the increase in recreational users throughout the Gorge, the United States Forest Service implemented the Limits of Acceptable Change (LAC) process in the summer of 2004. This ongoing project will determine which recreational users are making an impact, where the impact is being made, and to what extent. The goal of this study was to gain the perspective of the rock climbing constituent in the Gorge and their opinions on current and future regulations that may occur due to the findings of the LAC process. This study found that rock climbers are generally unaware of the activities involved in the LAC process, leading to a decrease in the potential success of the project.

Requested Embargo?: No embargo

Series/Report No.: The Ohio State University. Department of Natural Resources Honors Theses; 2007

Keywords: Rock Climbing
Limits of Acceptable Change

URI: <http://hdl.handle.net/1811/30085>

Appears in Collections: [Food, Agricultural and Environmental Sciences](#)

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679	1982-WE-1.jpg	1982	1982-WE-1	Mayants, L.S.	NEW ROTATION-VIBRATION HAMILTONIAN	The conventional rotation-vibration Hamiltonian is shown to be appropriate only for small	
680	1982-WE-2.jpg	1982	1982-WE-2	Natanson, G.A.	ON A CHOICE OF THE SEMIRIGID BENDER M	To satisfy the Eckart-Sayvretz conditions and yield a minim ¹	¹ G.A. Natanson, Molec
681	1982-WE-3.jpg	1982	1982-WE-3	Chiu, Ying-Nan	APPLICATION OF HUCKEL-MOBIUS CONCEPT	Linear combination of vibrational wave functions centered at the periodic potential minim	
682	1982-WE-4.jpg	1982	1982-WE-4	Hougen, Jon T.	THE USE OF HIGH-ORDER EXTENDED GROU	It is sometimes convenient when applying group theory to	¹ S.B.M. DeKoven, K.H. F
683				De Koven, B.M.			
684	1982-WE-5.jpg	1982	1982-WE-5	Chin, Steven	QUANTITATIVE AB INITIO PREDICTION OF THE	Infrared spectra of hydrogen bonded species are character	¹ Support from the Na
685				Person, Willis B.			
686	1982-WE-6.jpg	1982	1982-WE-6	Ford, T.A.	PREDICTION OF THE INFRARED SPECTRA OF	The types of interactions experienced by water molecules	¹ Support from the Na
687				Person, Willis B.			
688	1982-WE-7.jpg	1982	1982-WE-7	Chang, E.S.	THEORY OF IR SPECTRA FROM RYDBERG-R	Non-penetrating Rydberg states (with large orbital angular	¹ Ch. Jungen and E. Mi
689	1982-WE-8.jpg	1982	1982-WE-8	Lehmann, K.K.	INTERPRETATION OF THE C-H STRETCHING	We have obtained photoacoustic spectra of the C-H overtones of HCN, SC ₂ H ₂ , a	
690				Scherer, G.J.			
691				Klemperer, William			
692	1982-WE-9.jpg	1982	1982-WE-9	Scherer, G.J.	HIGH RESOLUTION OVERTONE SPECTRA OF	We have obtained photoacoustic spectra of several small polyatomic hydrides in the re	
693				Lehmann, K.K.			
694				Klemperer, William			
695	1982-WE-10.jpg	1982	1982-WE-10	Pliva, J.	THE ϵ_{13} FUNDAMENTAL BAND OF	The perpendicular band of the ϵ_{1u} vibration ϵ_{13} of benzene, occurring	
696				Johns, J.W.C.			
697	1982-WE-11.jpg	1982	1982-WE-11	Lafferty, W.J.	ROTATIONAL STRUCTURE OF THE HF DIMER	We have fully resolved the rotational fine structure of the H ₂	¹ T.R. Dyke, B.J. Howe
698				Pine, A.S.			
699	1982-WE-12.jpg	1982	1982-WE-12	Bunker, P.R.	BENDING TUNNELLING FORM HCN TO CNH	We are interested in the "internal rotation" bending motion	¹ S.P. Pearson, H.F. S
700				Ross, S.C.			
701	1982-WF-1.jpg	1982	1982-WF-1	Diem, M.	LONG RANGE VIBRATIONAL INTERACTIONS	Raman spectra of aqueous solutions of some peptides shc	L.D. Barron, Adv. Infrared Ra
702	1982-WF-1.jpg	1982	1982-WF-1	Devore, T.C.	A RE-INVESTIGATION OF THE VIOLET EMISS	A re-examination of the violet emission bands of TiCl has it ¹	¹ This work is suppo
703	1982-WF-2.jpg	1982	1982-WF-2	Dixit, L.	GENERAL METHODS OF ANALYZING VIBRAT	An accute need may arise to develop practically convenient general methods for compl	
704	1982-WF-2.jpg	1982	1982-WF-2	Devore, T.C.	PARTIAL VIBRATIONAL ANALYSIS OF THE ν_4	The visible emission spectrum of "TiO" produced using a r ¹	¹ C. Linton, Can. J.Phys
705	1982-WF-3.jpg	1982	1982-WF-3	Byler, D. Michael	REVISED VIBRATIONAL ANALYSIS FOR METH	Vibrational data for C-deuterated methanethiols are now ν_4	¹ J. Travert, O. Saur, A.
706				Gerasimowicz, Walter V.			
707				Susi, Heino			
708	1982-WF-3.jpg	1982	1982-WF-3	Dorko, Ernest A.	SPECTROSCOPIC ANALYSIS OF LEAD OXIDE	A gas flow tube reactor has been used to generate a chemiluminescent flame from the	
709				Snyder, Steven R.			
710				Koym, Vernon R.			
711	1982-WF-4.jpg	1982	1982-WF-4	Dung, J.R.	CONFORMATION BARRIERS TO INTERNAL RO	The infrared and Raman spectra have been recorded for the gaseous and solid states o	
712				Bist, H.D.			
713				Little, T.S.			
714	1982-WF-4.jpg	1982	1982-WF-4	Heaven, M.C.	ROTATIONALLY RESOLVED LASER EXCITAT	The technique of pulsed laser vaporization, as described in a previous abstract, has be	
715				Bondybey, V.E.			
716				Miller, Terry A.			
717				English, J.H.			
718	1982-WF-5.jpg	1982	1982-WF-5	Meinander, N.	THE VIBRATIONAL SPECTRA AND VALENCE	The Raman and TR spectra of the three crystalline modifi ¹	¹ N. Meinander, C. Berg
719	1982-WF-5.jpg	1982	1982-WF-5	Ashmore, J. Gail	THE ν_1 TRANSITION IN HgBr_2	The ν_1 spectrum of HgBr is photographed a ¹	¹ S.K. Wieland, Z. Elektro
720				Tellinghuisen, Joel			
721	1982-WF-6.jpg	1982	1982-WF-6	Towns, Theodore G.	VIBRATIONAL SPECTRUM OF 1,3,5-TRIAMINO	The mid-infrared ν_1 spectra in KBr matrix of the title compound and	
722	1982-WF-6.jpg	1982	1982-WF-6	Viswanathan, K.S.	THE ν_1 TRANSITION IN Hgl	The ν_1 spectrum of Hgl is studied for the sir ¹	¹ S.K. Wieland, Z. Elektro
723				Tellinghuisen, Joel			

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partner. U branch transitions corresponding to  $\Delta J = 14$  arise from
the hexadecapolar induction mechanism in the colliding pairs of
molecules. Collision-induced transitions  $\{S_{-1}\}(J) + \{S_{-0}\}(J)^{\{1\}}$ ,
 $\{U_{-1}\}(J)$  and  $\{Q_{-1}\}(J) + \{U_{-0}\}(J)^{\{2\}}$  in the infrared
fundamental band of  $\text{SH}_2$  and  $\{S_{-2}\}(J) + \{S_{-0}\}(J)$ ,  $\{S_{-1}\}(J) +$ 
 $\{S_{-1}\}(J)$  and  $\{Q_{-1}\}(J) + \{U_{-1}\}(J)$  in the 1st overtone region of
 $\text{SH}_2$  have been studied for high gas densities of normal  $\text{SH}_2$  at 77
K. Some of the experimental results include those obtained with solid
normal- and para- hydrogen samples for the transitions in the
fundamental band of  $\text{SH}_2$  at  $10\text{ K}^{\{3\}}$ . Present investigations also
include observation of double S transitions in the infrared fundamental
band of normal  $\text{SD}_2$  at 77 K. Results of the analysis of the
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<dcvalue element="description" qualifier="none"> $\{S_{-1}\}(J)$  A. Sem., R. D. G.
Prasad and S. P. Reddy, J. Chem. Phys. 72, 1716-1721 (1980).  $\{S_{-2}\}(J)$  S. P.
Reddy, A. Sen. and R. D. G. Prasad, J. Chem. Phys. 72, 6102-6106 (1980).
 $\{S_{-3}\}(J)$  R. D. G. Prasad, M. J. Clouter and S. P. Reddy, Phys. Rev. A 17,
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Title: THE SIGNIFICANCE OF ANISOTROPY OF POLARIZABILITY AND
HEXADECAPOLE MOMENT OF SH_2 AND SD_2 IN THEIR INFRARED
SPECTRA

Creators: van Nostrand, E.
Gillard, P.
Prasad, R.D.G.
Reddy, S. Paddi

Issue Date: 1982

Abstract: Double S transitions corresponding to $\Delta J = +2$ arise from the
contribution of the intermolecular interaction by the anisotropic
component of the polarizability of a molecule in the quadrupole field of its
collision partner. U branch transitions corresponding to $\Delta J = 14$
arise from the hexadecapolar induction mechanism in the colliding pairs of
molecules. Collision-induced transitions $\{S_{-1}\}(J) + \{S_{-0}\}(J)^{\{1\}}$,
 $\{U_{-1}\}(J)$ and $\{Q_{-1}\}(J) + \{U_{-0}\}(J)^{\{2\}}$ in the infrared
fundamental band of SH_2 and $\{S_{-2}\}(J) + \{S_{-0}\}(J)$, $\{S_{-1}\}(J) +$
 $\{S_{-1}\}(J)$ and $\{Q_{-1}\}(J) + \{U_{-1}\}(J)$ in the 1st overtone region
of SH_2 have been studied for high gas densities of normal SH_2
at 77 K. Some of the experimental results include those obtained with
solid normal- and para- hydrogen samples for the transitions in the
fundamental band of SH_2 at $10\text{ K}^{\{3\}}$. Present investigations also
include observation of double S transitions in the infrared fundamental
band of normal SD_2 at 77 K. Results of the analysis of the absorption
profiles in the gas phase, carried out by assuming appropriate line-shape
functions and using the available matrix elements of the quadrupole
moment, isotropic polarizability, anisotropy of polarizability, and
hexadecapole moment, will be discussed.

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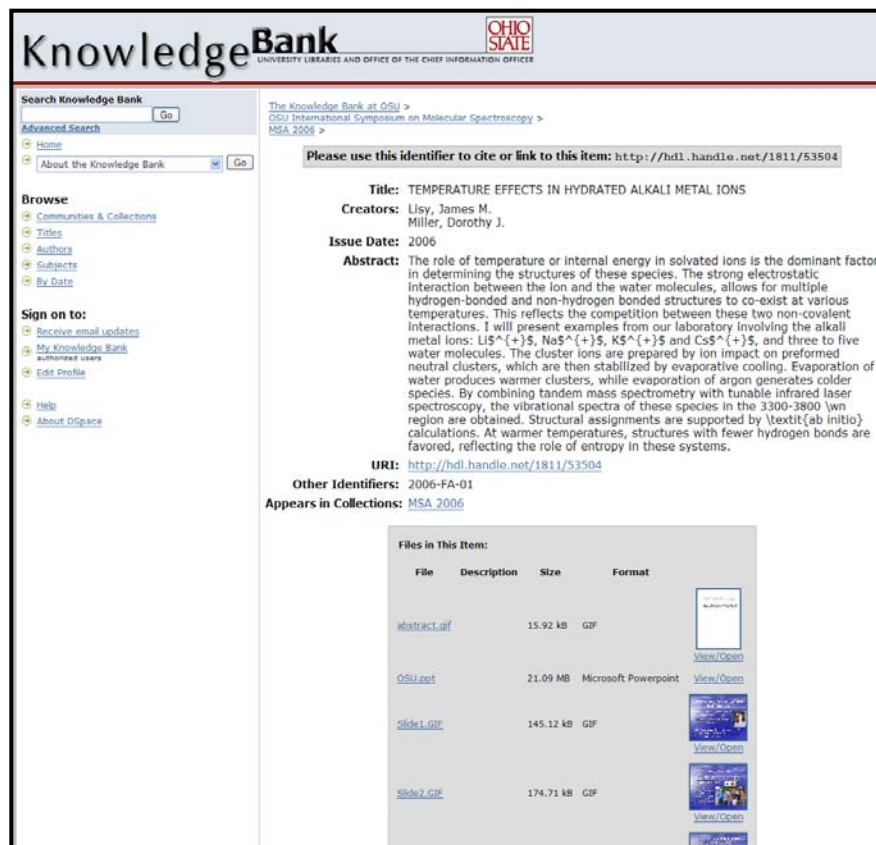
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hydrogen-bonded and non-hydrogen bonded structures to co-exist at
various temperatures. This reflects the competition between these two
non-covalent interactions. I will present examples from our laboratory
involving the alkali metal ions:  $\text{Li}^+(\text{H}_2\text{O})_n$ ,  $\text{Na}^+(\text{H}_2\text{O})_n$ ,  $\text{K}^+(\text{H}_2\text{O})_n$  and  $\text{Cs}^+(\text{H}_2\text{O})_n$ ,
and three to five water molecules. The cluster ions are prepared by ion
impact on preformed neutral clusters, which are then stabilized by
evaporative cooling. Evaporation of water produces warmer clusters, while
evaporation of argon generates colder species. By combining tandem
mass spectrometry with tunable infrared laser spectroscopy, the
vibrational spectra of these species in the 3300-3800  $\text{cm}^{-1}$  region are
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Title: TEMPERATURE EFFECTS IN HYDRATED ALKALI METAL IONS

Creators: Lisy, James M.
Miller, Dorothy J.

Issue Date: 2006

Abstract: The role of temperature or internal energy in solvated ions is the dominant factor in determining the structures of these species. The strong electrostatic interaction between the ion and the water molecules, allows for multiple hydrogen-bonded and non-hydrogen bonded structures to co-exist at various temperatures. This reflects the competition between these two non-covalent interactions. I will present examples from our laboratory involving the alkali metal ions: $\text{Li}^+(\text{H}_2\text{O})_n$, $\text{Na}^+(\text{H}_2\text{O})_n$, $\text{K}^+(\text{H}_2\text{O})_n$ and $\text{Cs}^+(\text{H}_2\text{O})_n$, and three to five water molecules. The cluster ions are prepared by ion impact on preformed neutral clusters, which are then stabilized by evaporative cooling. Evaporation of water produces warmer clusters, while evaporation of argon generates colder species. By combining tandem mass spectrometry with tunable infrared laser spectroscopy, the vibrational spectra of these species in the 3300-3800 cm^{-1} region are obtained. Structural assignments are supported by *ab initio* calculations. At warmer temperatures, structures with fewer hydrogen bonds are favored, reflecting the role of entropy in these systems.

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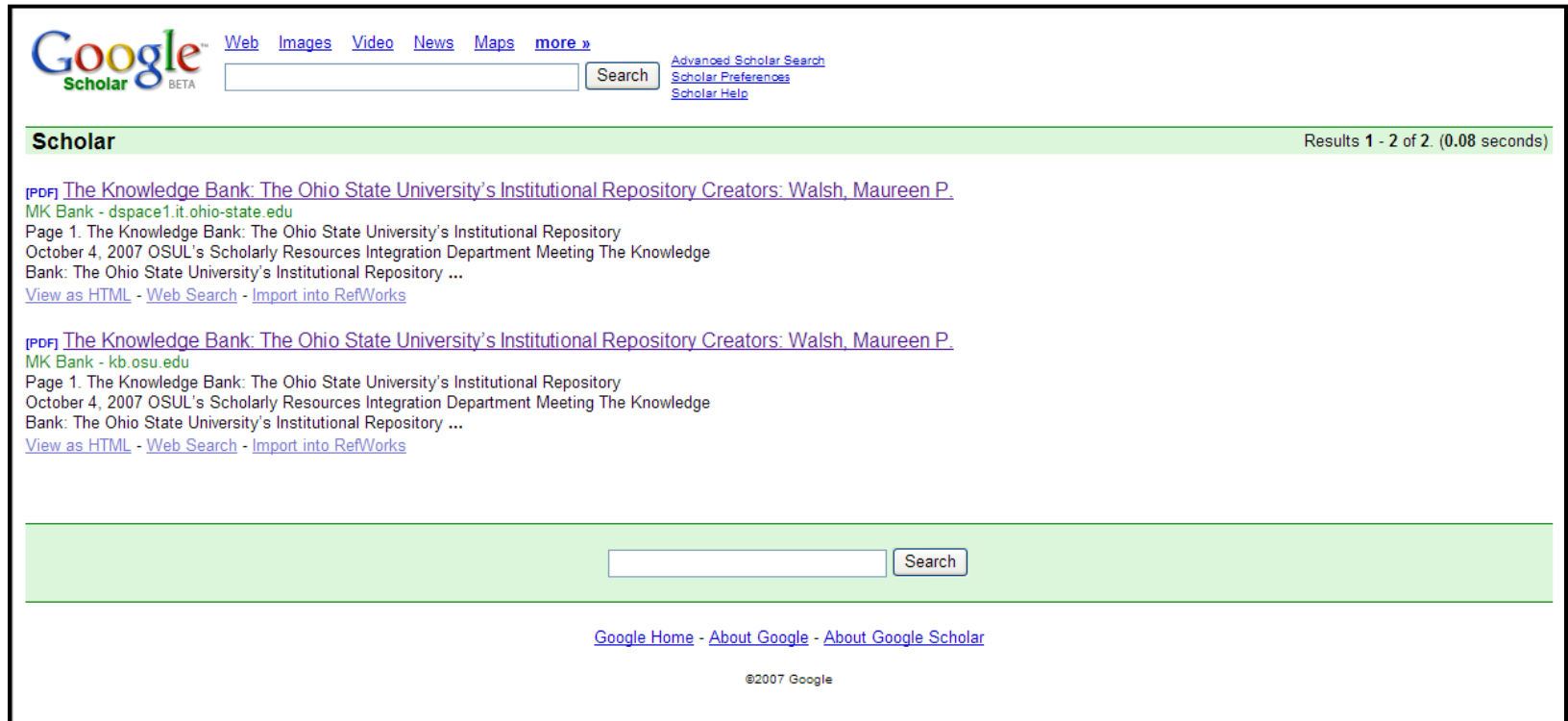
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13 <dc:description>xxvii, 224 p. ; 24 cm.</dc:description>
14 <dc:description.tableofcontents> The writer as native-born -- Kipling and the discourses of race and nation -- Early versions of the
native-born -- Kipling's fiction of "miscegenation" -- The jungle book -- Kim -- Puck of Pook's Hill and rewards and fairies. </
dc:description.tableofcontents>
15 <dc:description>Includes bibliographical references and index.</dc:description>
16 <dc:subject.lcsh>Kipling, Rudyard, 1865-1936 Views on imperialism.</dc:subject.lcsh>
17 <dc:subject.lcsh>Kipling, Rudyard, 1865-1936 Knowledge India.</dc:subject.lcsh>
18 <dc:subject.lcsh>Kipling, Rudyard, 1865-1936 Views on race.</dc:subject.lcsh>
19 <dc:subject.lcsh>Kipling, Rudyard, 1865-1936 Characters.</dc:subject.lcsh>
20 <dc:subject.lcsh>Intercultural communication in literature.</dc:subject.lcsh>
21 <dc:subject.lcsh>British -- India -- Historiography.</dc:subject.lcsh>
22 <dc:subject.lcsh>Culture conflict in literature.</dc:subject.lcsh>
23 <dc:subject.lcsh>Ethnic relations in literature.</dc:subject.lcsh>
24 <dc:subject.lcsh>Miscegenation in literature.</dc:subject.lcsh>
25 <dc:subject.lcsh>Imperialism in literature.</dc:subject.lcsh>
26 <dc:subject.lcsh>Ethnicity in literature.</dc:subject.lcsh>
27 <dc:subject.lcsh>Race in literature.</dc:subject.lcsh>
28 <dc:subject.lcsh>India -- In literature.</dc:subject.lcsh>
29

```

The Knowledge Bank in Other Contexts

The Knowledge Bank in Google Scholar



The screenshot shows the Google Scholar interface. At the top, the Google Scholar logo is on the left, and navigation links (Web, Images, Video, News, Maps, more ») are in the center. A search bar with a "Search" button is on the right. Below the search bar, a green bar displays "Scholar" on the left and "Results 1 - 2 of 2. (0.08 seconds)" on the right. Two search results are listed, both for the PDF "The Knowledge Bank: The Ohio State University's Institutional Repository Creators: Walsh, Maureen P." from MK Bank - dspace1.it.ohio-state.edu. Each result includes a brief description of the repository and links to view as HTML, web search, and import into RefWorks. At the bottom, there is a second search bar with a "Search" button, and links to Google Home, About Google, and About Google Scholar. The copyright notice "©2007 Google" is at the very bottom.

Google Scholar BETA [Web](#) [Images](#) [Video](#) [News](#) [Maps](#) [more »](#) [Advanced Scholar Search](#) [Scholar Preferences](#) [Scholar Help](#)

Scholar Results 1 - 2 of 2. (0.08 seconds)

[\[PDF\] The Knowledge Bank: The Ohio State University's Institutional Repository Creators: Walsh, Maureen P.](#)
MK Bank - dspace1.it.ohio-state.edu
Page 1. The Knowledge Bank: The Ohio State University's Institutional Repository
October 4, 2007 OSUL's Scholarly Resources Integration Department Meeting The Knowledge Bank: The Ohio State University's Institutional Repository ...
[View as HTML](#) - [Web Search](#) - [Import into RefWorks](#)

[\[PDF\] The Knowledge Bank: The Ohio State University's Institutional Repository Creators: Walsh, Maureen P.](#)
MK Bank - kb.osu.edu
Page 1. The Knowledge Bank: The Ohio State University's Institutional Repository
October 4, 2007 OSUL's Scholarly Resources Integration Department Meeting The Knowledge Bank: The Ohio State University's Institutional Repository ...
[View as HTML](#) - [Web Search](#) - [Import into RefWorks](#)

[Google Home](#) - [About Google](#) - [About Google Scholar](#)

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The Knowledge Bank in Google

The screenshot shows a Google search interface with the following elements:

- Navigation Links:** Web, Images, Video, News, Maps, Gmail, more ▼
- Search Bar:** Contains the text "Walsh, Maureen P." Institutional. Buttons for Search, Advanced Search, and Preferences are visible.
- Results Header:** Web Results 1 - 4 of 4 for "Walsh, Maureen P." Institutional. (0.10 seconds)
- Result 1:**
 - [The Knowledge Bank at OSU: Item 1811/29257](#)
 - Title: The Ohio State University's **Institutional** Repository: How Policy Informs Practice.
 - Creators: Walsh, Maureen P. Connell, Tschera Harkness ...
 - <https://kb.osu.edu/dspace/handle/1811/29257> - 11k - [Cached](#) - [Similar pages](#)
- Result 2:**
 - [The Knowledge Bank at OSU: Item 1811/29275](#)
 - Title: The Knowledge Bank: The Ohio State University's **Institutional** Repository. Creators: Walsh, Maureen P. Keywords: Knowledge Bank **institutional** ...
 - <https://dspace1.it.ohio-state.edu/dspace/handle/1811/29275> - 11k - [Cached](#) - [Similar pages](#)
- Result 3:**
 - [The Knowledge Bank at OSU: Browse by Title](#)
 - 4-Oct-2007, The Knowledge Bank: The Ohio State University's **Institutional** Repository, Walsh, Maureen P. 14-Apr-2003, Knowledge Management in Academic ...
 - <https://dspace1.it.ohio-state.edu/dspace/browse-title?bottom=1811%2F5871> - 20k - [Cached](#) - [Similar pages](#)
- Footer:** Try [Google Desktop](#): search your computer as easily as you search the web.

The Knowledge Bank in OpenDOAR

OpenDOAR

Directory of Open Access Repositories
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Search Repository Contents

This search facility is a trial service that uses Google's [Custom Search Engine](#).
Please send us [feedback](#) on your experiences.

To search for open access *repositories* rather than their content, please use the [Find](#) page.


Results 1 - 10 for Byrd expedition. (0.18 seconds)

[The Knowledge Bank at OSU: Byrd Expedition Photo Albums](#)
The Byrd Expedition Photo Albums contain more than 3500 images in 5 albums covering Richard E. Byrd's first and second expeditions to Antarctica in ...
<https://kb.osu.edu/dspace/handle/1811/25246>

[The Knowledge Bank at OSU: Byrd Antarctic Expedition \(2nd: 1933 ...](#)
The Byrd Expedition Photo Albums contain more than 3500 images in 5 albums covering Richard E. Byrd's first and second expeditions to Antarctica in ...
<https://kb.osu.edu/dspace/handle/1811/25251>

[The Knowledge Bank at OSU: Byrd Antarctic Expedition \(1st: 1928 ...](#)
The Byrd Expedition Photo Albums contain more than 3500 images in 5 albums covering Richard E. Byrd's first and second expeditions to Antarctica in ...
<https://kb.osu.edu/dspace/handle/1811/25248>

[The Knowledge Bank at OSU: Byrd Antarctic Expedition \(1st: 1928 ...](#)
The Byrd Expedition Photo Albums contain more than 3500 images in 5 albums covering Richard E. Byrd's first and second expeditions to Antarctica in ...
<https://kb.osu.edu/dspace/handle/1811/25250>



The Knowledge Bank in CIC Metadata Portal



The screenshot shows the CIC Metadata Portal search results page. The header includes the CIC logo and the text "Search CIC Library Resources". Below the header is a navigation bar with links for "Simple search", "Advanced search", "Browse collections", and "Project Details". The main content area displays search results for "Ohio State University". The results are sorted by "weighted hit frequency" and show two records. Each record includes fields for Title, Author/Creator, Subject, Type, See also, and Collection.

Search Results:

Results by: Sort by: [Next 10 Records](#)

Ohio State University:
Ohio State University Knowledge Bank
[293 records](#)


Record 1 of 293

Title	A Biological Control Model of a One-Link Neuromusculoskeletal Sagittal Arm
Author/Creator	Lucas, Michael; Hemami, Hooshang
Subject	Biomechanics; Control; Nonlinear Systems; Dynamical System
Type	Thesis & dissertation
See also	The Ohio State University. Department of Electrical and Computer Engineering Honors Theses; 2006
Collection	Ohio State University Knowledge Bank

Record 2 of 293

Title	A Content Analysis of House and Garden Magazine Focusing on Environmental Responsibility and User Health and Safety Concerns Relative to Residential Interiors
Author/Creator	Nee, Justin; Zavotka, Susan
Subject	Design; Environmental; Sustainable; Green Design; content analysis; interior; health; safety
Type	Thesis & dissertation
See also	The Ohio State University. Department of Consumer Sciences Honors Theses; 2006
Collection	Ohio State University Knowledge Bank

The Knowledge Bank in OAlster



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[About](#)
[Using OAlster](#)
[News](#)

Results by Data Contributor

Knowledge Bank at Ohio State University
[1 record](#)

Record 1 of 1
[add to bookbag](#)

Title	Engineering eggshells for carbon dioxide capture, hydrogen production, and as a collagen source
Author/Creator	Vonder Haar, Theresa
Contributor	Fan, Liang-Shih
Publisher	The Ohio State University
Year	2007-05-18T18:16:30Z
Year	2007-06
Resource Type	Thesis
Resource Format	1167191 bytes, application/pdf
Language	English
Note	The burning of fossil fuels leads to greenhouse gas (GHG) emissions, like carbon dioxide (CO ₂), which contribute to global warming. Current CO ₂ mitigation practices comprise of: [a] separation, [b] transportation, and [c] sequestration. Presently CO ₂ separation costs play a dominant role in the CO ₂ management scheme. The focus of this investigation is to effectively utilize chicken eggshells, a bio-composite material rich in calcium, as a sorbent for CO ₂ capture. The eggshells offer a unique combination of sorbent strength and reactivity while maintaining a low cost. The reaction mechanism consists of a series of carbonation-calcination reactions (CCR): calcium oxide (CaO) reacts with CO ₂ forming calcium carbonate (CaCO ₃), then calcining the shell forms a pure CO ₂ stream and regenerates CaO. Taking advantage of the eggshell's capacity to capture CO ₂ , can also lead to enhanced hydrogen (H ₂) production at high temperatures in a coal gasification process. Treating the eggshell with acetic acid at low concentrations not only facilitates membrane removal, but also shows an increase in the eggshell reactivity, which leads to increased CO ₂ capture as well as improved H ₂ production. In addition, the membrane contains collagen which is used in skin grafting, cornea repair, osteoporosis treatment, and other medical and surgical procedures. Overall, this study focuses on potential of treated eggshells as calcium-based sorbents for CO ₂ capture and H ₂ production and as source of collagen. Data shows that eggshells treated with acetic acid, not only enhances membrane removal from the shell but also leads to increased reactivity over multiple CCR cycles. The 2 molar 15 minute treated eggshell sample shows the highest capture capacity over time. Using eggshell as a sorbent for H ₂ production shows that 100% conversion of CO to H ₂ can be achieved. Advisor: LS Fan (Proprietary: Iyer M. V. and Fan. L-S "High Temperature CO ₂ Capture Using Engineered Eggshells" U.S. Patent Application No. 11/384,011 (March 2006))
Note	College of Engineering (Funding for 2006-2007 academic year for Honors Undergraduate Research Proposal)
Note	The Ohio State University. Department of Chemical and Biomolecular Engineering Honors Theses; 2007
Subject	carbon dioxide; hydrogen; eggshell; collagen
URL	http://hdl.handle.net/1811/25099
Data Contributor	Knowledge Bank at Ohio State University (OSU)

Shareable Metadata?

Can You Name This Harvested Resource?



The screenshot shows the OAlster interface with a navigation bar (Home, Search, Help, About, Using OAlster, News) and a sidebar for the Knowledge Bank at Ohio State University (OSU) showing 1 record. The main content area displays 'Record 1 of 1' with a link to 'add to bookbag' and a table of metadata.

Title	October 17, 2006
Publisher	Ohio State University Libraries
Year	2007-06-11T21:17:29Z
Year	2006-10-17
Resource Type	Newsletter
Resource Format	46780 bytes, application/pdf
Language	English
Subject	Ohio State University. Libraries.
URL	http://hdl.handle.net/1811/28497
Data Contributor	Knowledge Bank at Ohio State University (OSU)

[The Knowledge Bank at OSU](#) >
[Ohio State University Libraries](#) >
[NewsNotes](#) >
[QuickNotes](#) >

Please use this identifier to cite or link to this item:

<http://hdl.handle.net/1811/28497>

Title: October 17, 2006

Keywords: Ohio State University. Libraries.

Issue Date: 17-Oct-2006

Publisher: Ohio State University Libraries

URI: <http://hdl.handle.net/1811/28497>

Appears in Collections: [QuickNotes](#)

Files in This Item:

File	Description	Size	Format
qn061017.pdf		45Kb	Adobe PDF View/Open

Show full item record

[The Knowledge Bank at OSU](#) >
[Ohio State University Libraries](#) >
[NewsNotes](#) >
[QuickNotes](#) >

Please use this identifier to cite or link to this item:

<http://hdl.handle.net/1811/28497>

Title: QuickNotes: October 17, 2006

Creators: Ohio State University. Libraries

Keywords: Ohio State University -- Libraries -- Newsletters

Issue Date: 17-Oct-2006

Publisher: Ohio State University Libraries


URI: <http://hdl.handle.net/1811/28497>

Appears in Collections: [QuickNotes](#)

Files in This Item:

File	Description	Size	Format
qn061017.pdf		45Kb	Adobe PDF View/Open

[Show full item record](#)



[Home](#)
[Search](#)
[Help](#)
[About](#)
[Using OAlster](#)
[News](#)

Results by Data Contributor

Knowledge Bank at Ohio State University (OSU)
[50 records](#)

[add to bookbag](#)

Title	QuickNotes: October 17, 2006
Author/Creator	Ohio State University. Libraries
Publisher	Ohio State University Libraries
Year	2007-06-11T21:17:29Z
Year	2006-10-17
Resource Type	Newsletter
Resource Format	46780 bytes, application/pdf
Language	English
Subject	Ohio State University -- Libraries -- Newsletters
URL	http://hdl.handle.net/1811/28497
Data Contributor	Knowledge Bank at Ohio State University (OSU)
Score	100

Quality Metadata?

[The Knowledge Bank at OSU](#)

Browse by Author

Showing authors 1-21 of 23103.

A'Hearn, M.F.
Aaron, Daniel, 1912-
Abbas, M. M.
Abbate, M. J.
ABBATE, S.
Abbate, S.
ABBATE, SERGIO
Abbate, Sergio
Abbott, Maxine L.
Abbott, Ralph E.
Abbott, Richard H.
ABBOUTI, TEMSAMANI M.
Abbouti, Temsamani M.
ABDEL, SHAFY HUSSEIN I.
Abdel-Halim, F.M.
ABDEL-HALIM, H.M.
Abdel-Malek, Albert
Abdullah, Mohammad
ABDULNUR, SUHEIL F.
Abe, Hisashi

Showing authors 20071-20091 of 23103.

Sztainbuch, I.
Szudy, J.
Szymanski, H.
T-S LIN
T., Oka
T.SHIMIZU
Taatzes, C.A.
Tabisz, G. C.
TABISZ, G.C.
Tabisz, G.C.
TABOR, WILLIAM J.
Tack, L. M
Tack, L. M.
TACK, L.M.
Tack, Lesley M.
Tack, Leslie M.
Tackett, Brandon S.
Tadao, Shimizu,
Taday, P. F.
Taft, Clarence E.
TAFT, ROBERT W. JR.

[The Knowledge Bank at OSU](#) >

Browse by Subject

Showing subjects 41-61 of 4860.

active flow control
active learning
Actuator
acute myocardial infarction
Adam Kern
Adams, Arthur E -- Interviews
adduct
Adenovirus
adenovirus
Adherence
Adhesion
adipogenesis
adipose tissue
ADIR
adnominals
Adolescence
adolescent
adolescent behavior
adolescent females
Adolescents
adolescents

Showing subjects 80-100 of 4860.

Aesthetics, Modern -- 19th century -- Influence
Affect
affect
Affirmative Action
Affirmative action programs --Ohio --Columbus
African American
African American college students--Ohio
African American football coaches
African American mayors -- Case studies
African American women
African Americans
African Americans -- Politics and government -- Case studies
African elephant
African-American
African-American children
African-American women
african-american women
After-school programs
agbioscience
Age of Iron
aggression

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[Byrd Polar Research Center >](#)

Browse by Subject

Showing subjects 21-41 of 115.



camps
carrier
carriers
cats
CBS
cells
Construction
construction
cows
Crevasses
crevasses
crew
crowding
daily life
documents
dog
dogs
Equipment
equipment
equipment and supplies
expedition members (crew and personnel)

Showing subjects 41-61 of 115.

expedition members (crew and personnel)
expeditions
fishing
flag
Fokker
footwear
furniture
Geographical photograph
geographical photograph
harbors
headgear
helicopter
hunting
ice
ice flow
Iceberg
iceberg
iceberg or glacier
iceberg or glacier
instruments
kitchen

Showing subjects 61-81 of 115.

kitchen
land and water formations
letter
Little America
maintenance
map
medal
medical
memorial
military
mountains
newspapers
penguins
photographs
photography
Polar Region shelters
Polar Regions shelters
portraits
reception
Recording
recreation

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[Honors Theses](#) >
[Arts and Sciences](#) >

Please use this identifier to cite or link to this item: <http://hdl.handle.net/1811/28942>

Title: Subjectivity and Nation: The Construction of Self in I Saw Ramallah and Passage to Dusk
Creators: Kim, Philip
Advisor: Berman, Nina
Issue Date: Aug-2007
Abstract: The subjective nature of the construction of the self allows for the two texts which I critique, I Saw Ramallah and Passage to Dusk, to resist notions of an objective nation which imposes standards and norms ultimately resulting in conflicts of difference.
Requested Embargo?: No embargo
Series/Report No : The Ohio State University. Department of Comparative Studies Honors Theses; 2007
Keywords: nation
theory
self
subjectivity
URI: <http://hdl.handle.net/1811/28942>
Appears in Collections: [Arts and Sciences](#)

Thank You

Maureen P. Walsh

Metadata Librarian/Assistant Professor

The Ohio State University Libraries

walsh.260@osu.edu